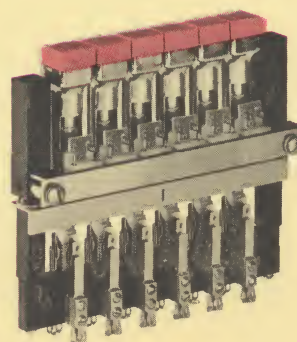
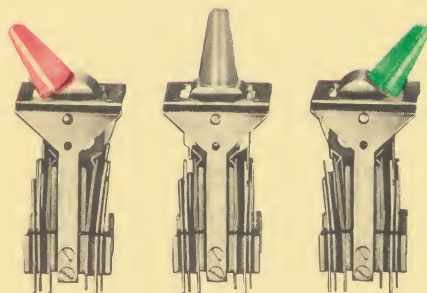
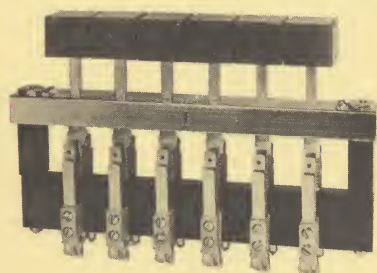


# CAPITOL

CIRCUIT  
SWITCHES  
SELECTOR



# **CAPITOL** SWITCHES

## **ILLUMINATED AND NON-ILLUMINATED PUSH BUTTON AND LEVER**

CAPITOL manufactures a complete line of high quality, precision, circuit selector push button and lever switches. Illuminated and non-illuminated.

CAPITOL switches are manually operated units, featuring selective control of one or more groups of circuit combinations.

CAPITOL switches are adapted to many variations of switching and mechanical requirements. Modifications to meet designers special needs available: ie, banking (2 or more rows), solenoid release, etc.

CAPITOL switches are a finely finished product offering maximum reliability with smooth mechanical action.

CAPITOL switches are designed with space, weight and life requirements as major considerations.

CAPITOL switches are used in many Military applications where **QUALITY** and **DEPENDABILITY** are a requirement. Commercial installations requiring high quality also specify Capitol switches.

CAPITOL switches are manufactured to quality control standards predicated on MIL-Q-9858 and receive same individual attention whether for Military or Commercial applications.

CAPITOL switches are designed by experienced staff personnel well qualified to make modifications of existing and new designs to meet your individual requirements. Many customer dollars are saved by working around existing designs, thus eliminating need for development of new switches. This is just one benefit from Capitol switch versatility and capability.

CAPITOL switches have over the years maintained a record of high quality, long life and dependability. We are proud of this record and the long list of customers who continue to rely upon Capitol to supply them with the best.

## **THE CAPITOL MACHINE AND SWITCH CO.**

**87 Newtown Road, Danbury, Conn. 06810**

**Area Code 203  
744-3300**

### **representatives in principal cities**

<b>BOSTON</b>	<b>NEW YORK</b>	<b>PHILADELPHIA</b>	<b>ATLANTA</b>	<b>ORLANDO</b>	<b>CLEVELAND</b>
<b>DETROIT</b>	<b>LOS ANGELES</b>	<b>SAN FRANCISCO</b>	<b>CHICAGO</b>	<b>ST. LOUIS</b>	
<b>DENVER</b>	<b>DALLAS</b>	<b>PHOENIX</b>	<b>SEATTLE</b>	<b>TORONTO</b>	<b>MONTREAL</b>

This catalog supersedes all previous bulletins, catalogs and prints on Capitol switches.

All data subject to change without notice.

Catalog No. 104B April, 1966

Federal Supply Code No. 01548

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# CAPITOL SWITCH INDEX

## LEVER SWITCHES

HLL .....	2
HL, HLB, HLB-S .....	3
HLS, HLBN, HLBN-D, HLR .....	4

## ILLUMINATED MOMENTARY PUSH BUTTON SWITCHES

HP, HPS, HPC, HPC-S .....	5
HPA, HPA-S, HPB, HPB-S, PSB-IC .....	6

## MULTIPLE POSITION STRIP SWITCHES, ILLUMINATED & NON-ILLUMINATED

S - SERIES .....	7, 8, 9, 10
E - SERIES .....	12
D - SERIES .....	13, 14

## ALTERNATING ACTION PUSH BUTTON SWITCHES, ILLUMINATED & NON-ILLUMINATED

### SINGLE POSITION

PLSA, PLS-IA .....	15
PLH, PLS-ID, PLS-IC, PLS-IB .....	16

### MULTIPLE POSITION

100 or 300 SERIES: PLSA, PLSA-IA .....	17
PLSA-IB, PLSA-IC, PLSA-ID .....	18

## MOMENTARY SINGLE POSITION SWITCH

PSA .....	15
-----------	----

## KEY BOARD ASSEMBLIES

SSN - 3 - 304, SPN - 3 - 304 .....	11
------------------------------------	----

GENERAL SPECIFICATIONS .....	1
------------------------------	---

ORDERING INFORMATION .....	19
----------------------------	----

SPECIALS (Examples) .....	Back Cover
---------------------------	------------

**RATING:** standard: 3 amp 110 volts AC, non-inductive.

**LIFE:** Designed for long trouble free life.

### MATERIALS & FINISHES

**Aluminum** parts (used wherever practical to achieve light weight) are anodized.

**Steel & Brass** parts are heavily plated to prevent corrosion.

#### Phenolics:

Jack spacers—standard grade XXXP.  
for special applications involving high humidity, glass epoxy is recommended.

Other phenolic parts are grade XX or better.

All phenolic parts are fungus resistant.

**Leaf Springs** standard—18% B nickel silver. For special requirements phosphor bronze available.

**Contacts & material** standard, welded palladium discs.

**Other Contact Material:** Gold Alloy (WE #1) or Fine Silver.

Twin (Bifurcated) available in all metals.

**Contact Ratings:** Standard—3 amp 110 volts AC non-inductive or 1 Amp at 28V DC

5 Amp (non-inductive) available in either open blade contacts or encased snap switches.

**Terminals:** Standard are hot tin dipped to accommodate two # 18 wires. On request, right angle terminals can be provided. Taper tab terminals (to take AMP #78) available.

### BUTTONS: (caps)

In addition to the many standard ones shown in the catalog, when requested Capitol will manufacture almost any special size or shape to fit the switch you require.

**Engraving:** Capitol can engrave all buttons.

The versatility of Capitol designs enables you to use a wide variation of combinations of the contact assemblies below, to operate from the same position. ie: a stack consisting of 2 Form A's, 1 Form B, 1 Form C.

### LAMPS:

(not supplied unless requested)

T-2 short base telephone slide base type (7/8" long) available in 4, 6, 10, 12, 16, 18, 24, 28, 48 volts DC

USED IN THE FOLLOWING MODELS:

HLL illuminated lever switch

S-IC series

PLS-IC series, and PSB-IC

T-1-3/4 (commonly known as 327 type)

available in 6, 14, 28 volts DC

USED IN THE FOLLOWING MODELS:

S-IA, IB, ID series

E-IA series

D-IA series

PLS-IA, IB, ID series

PLH

T-2 Standard telephone slide base lamp

available in 4, 6, 8, 10, 12, 16, 18, 24, 30, 48 volts DC

USED IN THE FOLLOWING MODELS:

HP, HPS, HPC-S series

HPA, HPA-S Series

313 or NE51

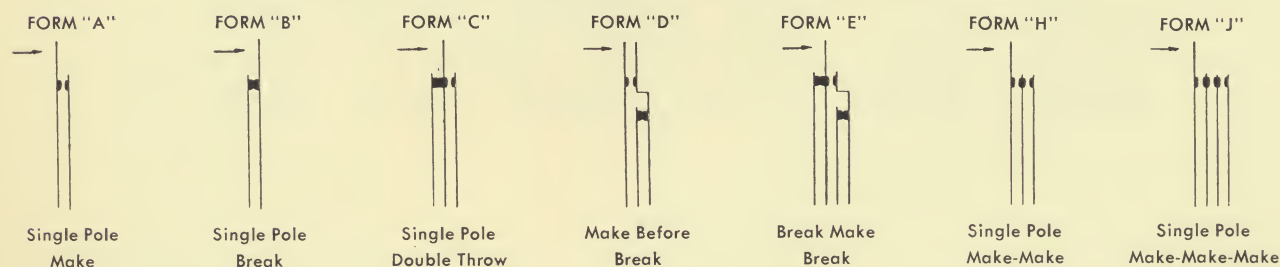
USED IN THE FOLLOWING MODELS:

HPB and HPB-S

### PART NUMBERS AND DRAWINGS:

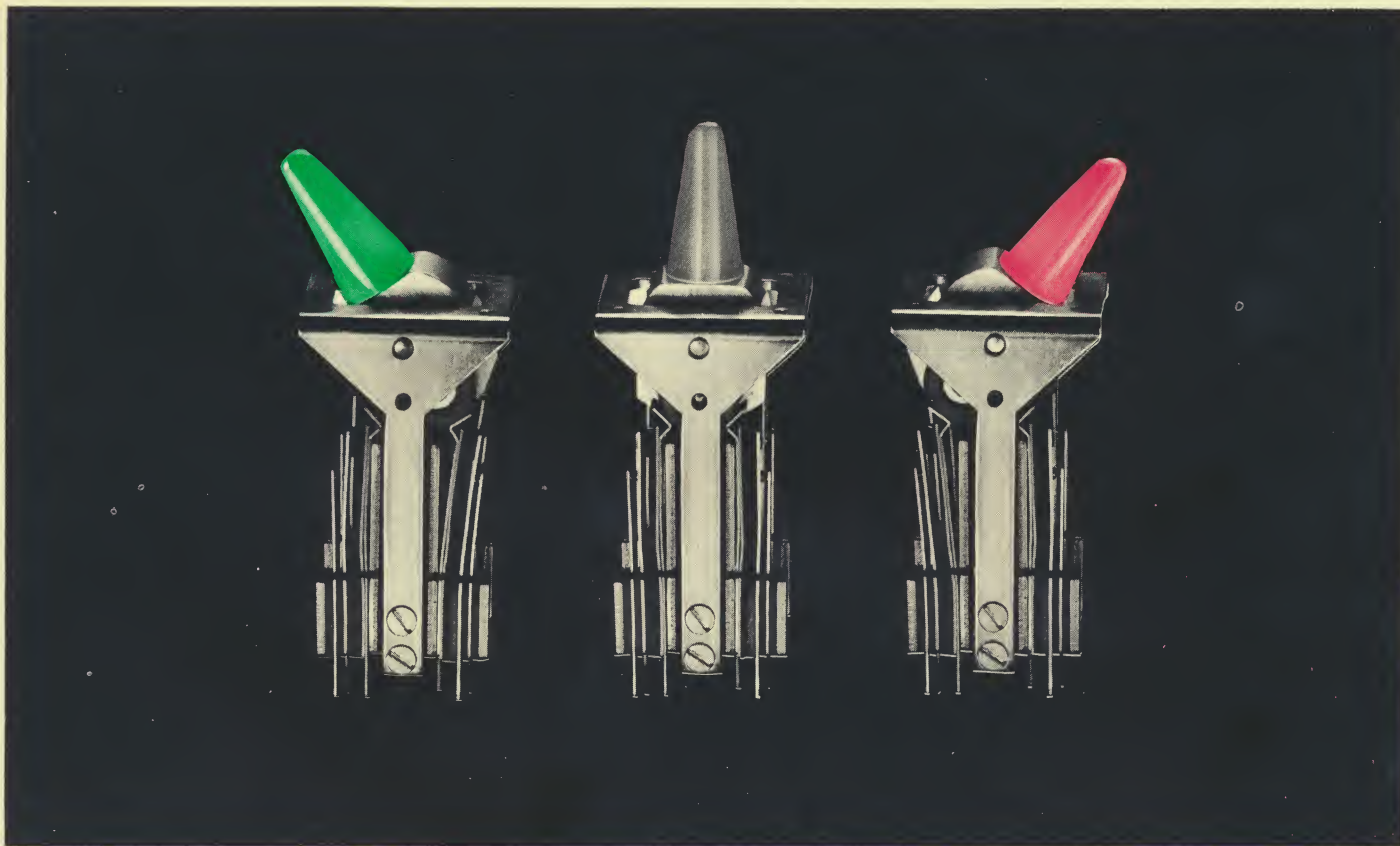
Due to the wide variation of final requirements available with Capitol switches it is not practical for Capitol to assign part numbers to each switch. Capitol will, however, on request (and at no additional charge) assign a part number to a specific switch and if requested furnish a Capitol drawing of the switch (at no additional charge for a blue-line drawing). Capitol strongly urges the assigning of part numbers if there is to be repeat requirements of the same specific switch. This means that it is only necessary to order by part number, thus eliminating calling out the full specifications.

### STANDARD CONTACT ASSEMBLIES AVAILABLE





# NEW ILLUMINATED MULTI-COLOR CODED LEVER SWITCH



## DIFFERENT COLOR IDENTIFIES POSITION OF MODEL HLL SWITCH

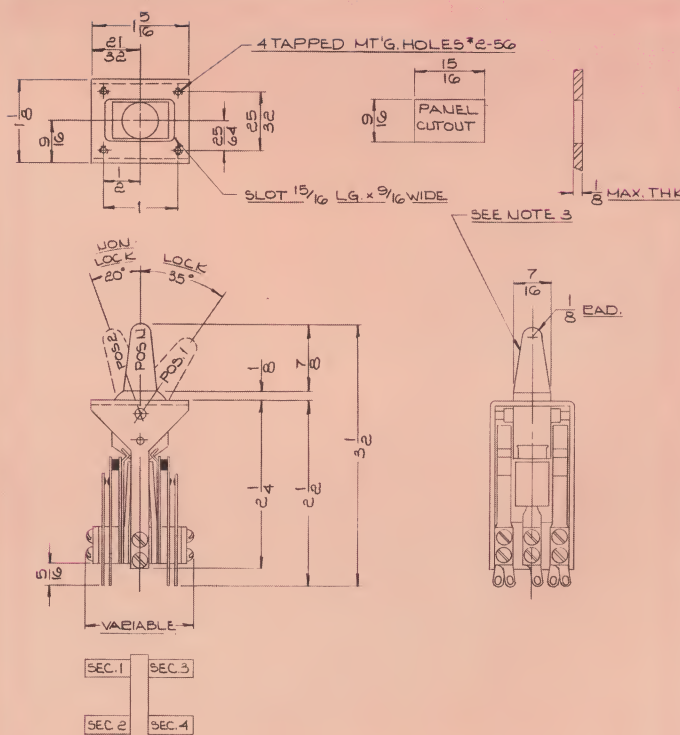
Capitol's new Model HLL 3-position lever switch features color coded positions. Filters available for position 1 and 2 are red, green, yellow and amber. Neutral position is also illuminated but is not color coded. A type T2 long life, short base lamp provides the illumination. Bulb replacement is done from the front of the panel without removing the switch; just one outstanding feature of this new concept in switches by Capitol.

Lever action can be any combination of:

POSITION 1	POSITION 2
Lock	Lock
Lock	Non-Lock
Non-Lock	Non-Lock
Lock	No Throw
Non-Lock	No Throw

Center position is Neutral

Contact Assemblies can be mounted on either or both sides of stack block in a wide variation of combinations.



Model HLL Assembly Drawing

## HL-SERIES

All Capitol lever switches are designed to meet many different requirements. They have extra rigid construction and are thoroughly insulated for long life.

Lever actions can be any combination of:

Position One	Position Two
lock .....	lock
lock .....	non-lock
non-lock .....	non-lock
lock .....	no-throw
non-lock .....	no-throw

All have a special locking feature in neutral position which eliminates "overtravel bounce" when the lever is restored to neutral position.

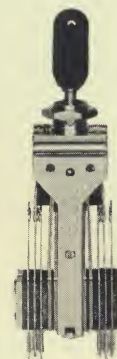
The Model HLB and HLB-S stack assembly is easily removed by taking out one screw from bottom of switch and dropping stack block. Accommodates either straight or right angle terminals (straight terminals are used unless right angles are requested).

The Model HLBN and HLBN-D are best adapted for use where space is limited to get the most amount of switching action.

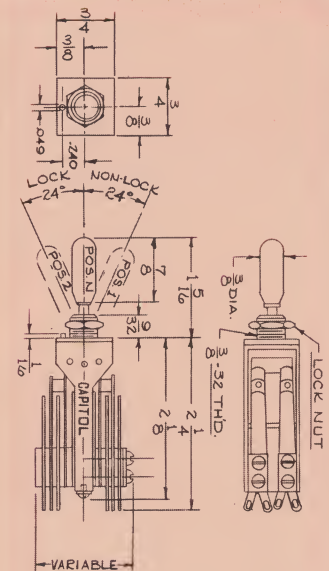
Contact assemblies can be mounted on either or both sides of the stack block in a wide variation of combinations. (see General Specifications, Page 1 for contact assemblies available.)

Standard threaded black plastic handles are supplied with switch. Handles with brass insert or special colors can be provided at extra cost.

The HLR Rocker Button is black anodized aluminum. Red, green, blue and gold are available on request.



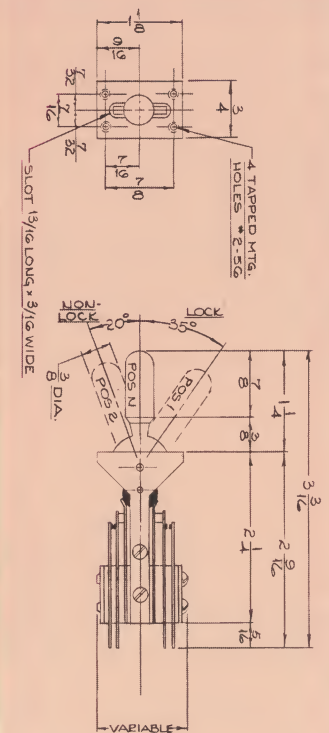
Model HLB-S



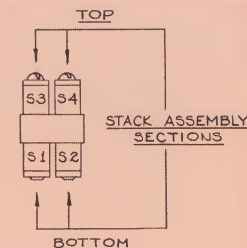
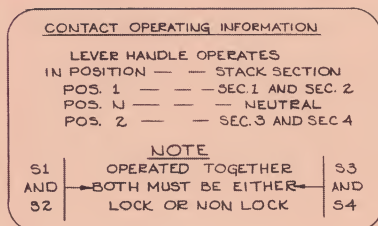
Model HLB-S Assembly Drawing



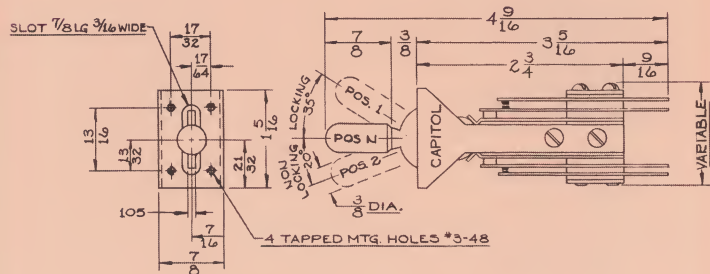
Model HLB



Model HLB Assembly Drawing



This stack arrangement applies to Models HL, HLS, HLB, HLB-S, HLR.



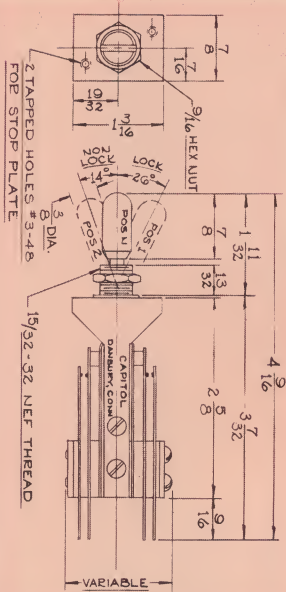
Model HL Assembly Drawing



Model HL



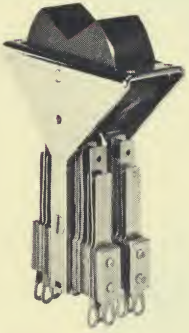
## LEVER SWITCHES



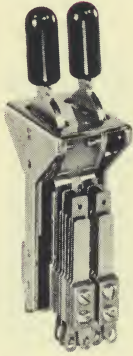
## Model HLS Assembly Drawing



## Model HLS



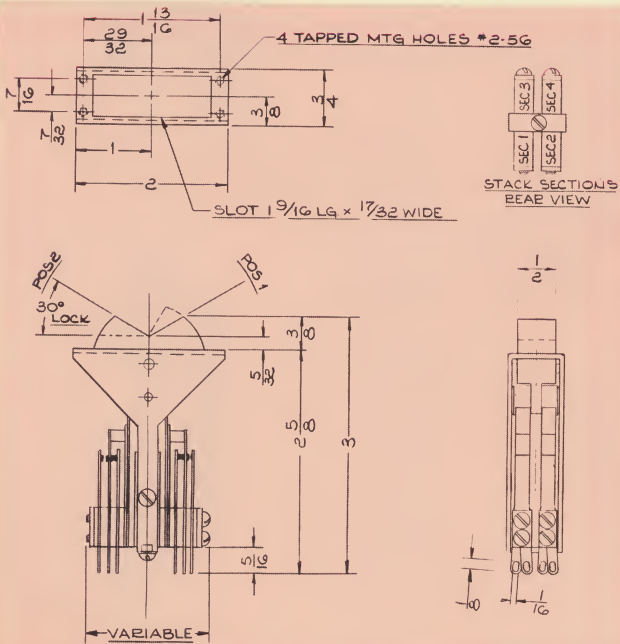
**Model HLR with  
unique aluminum  
rocker button.**



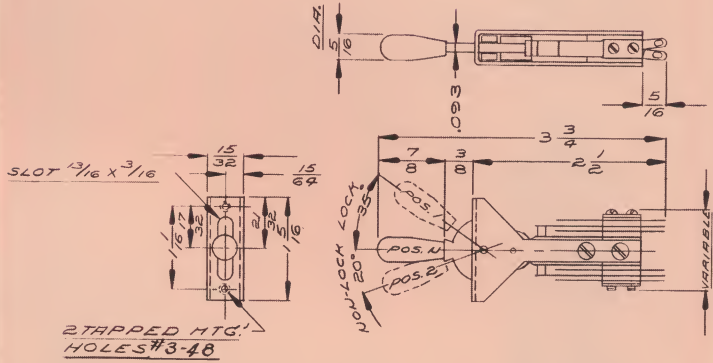
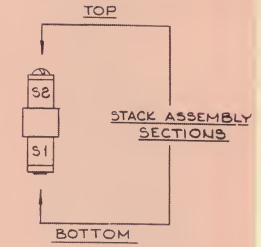
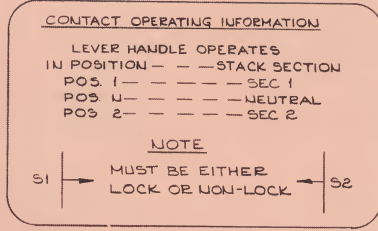
### Model HLBN-D



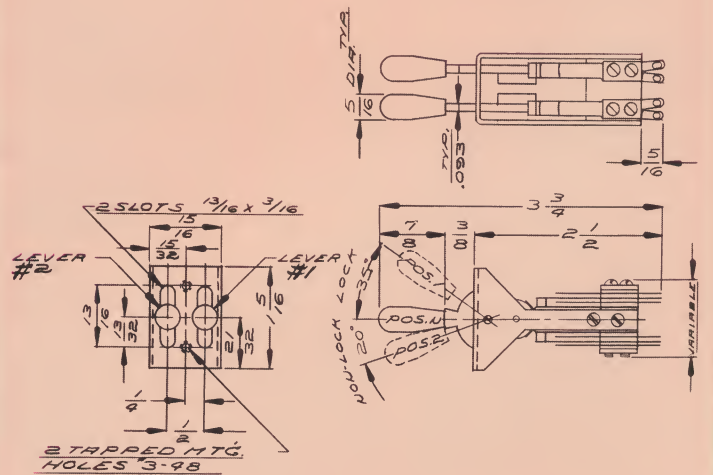
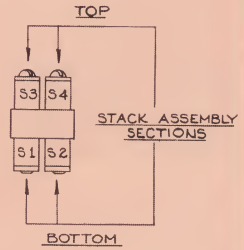
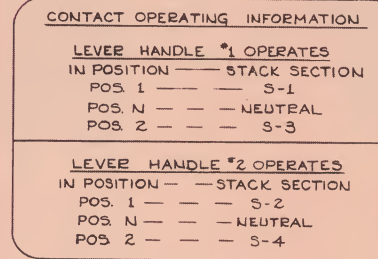
## Model HLBN



## Model HLR Assembly Drawing



### Model HLBN Assembly Drawing



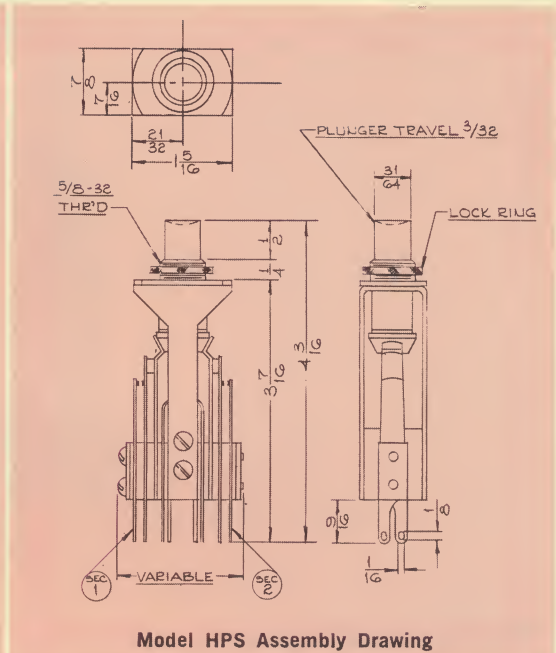
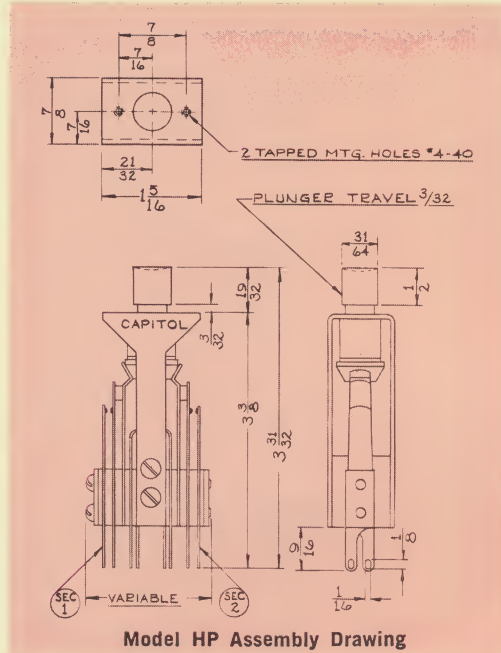
### Model HLBN-D Assembly Drawing



**Model HP**



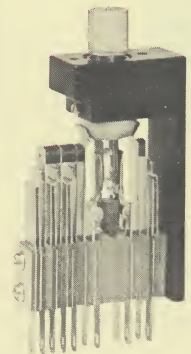
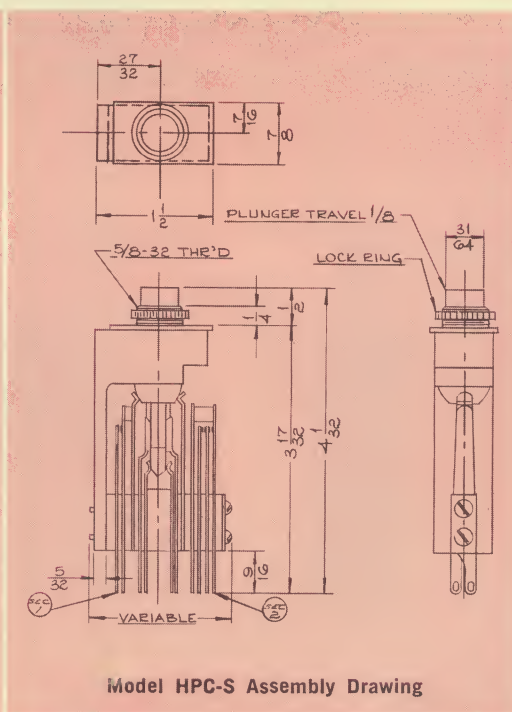
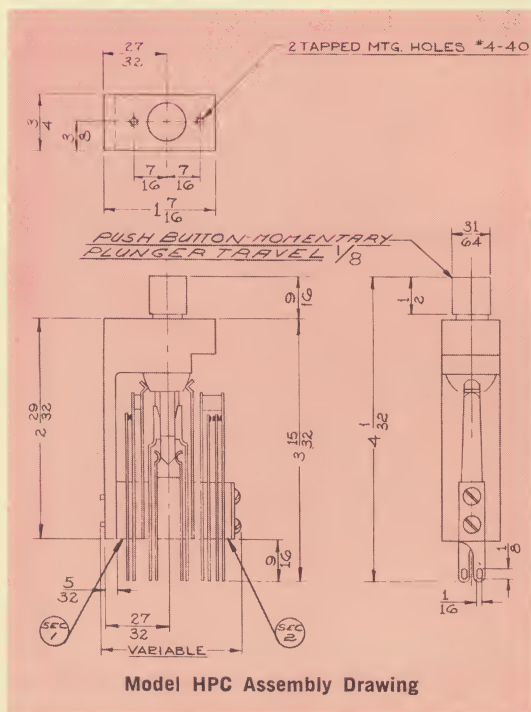
**Model HPS**



Model HPB and HPB-S — accommodate bayonet type single contact miniature lamp. Lamp is easily replaced from exterior as lamp protrudes above top of frame. No tools necessary to extract or insert lamp. All other HP series switches accommodate standard T-2 telephone type slide base lamp.

Standard buttons furnished with these switches are clear lucite. Transparent colored and sand blasted (frosted) buttons are available.

On request these switches can be made with "Push-Turn Lock", or "Turn Push", or "Turn" feature.



**Model HPC**



**Model HPC-S**

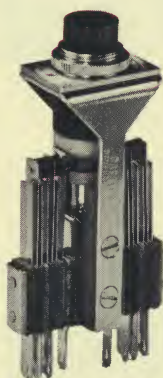
(Bulbs are not supplied with switches unless ordered.)



## PUSH BUTTON SWITCHES



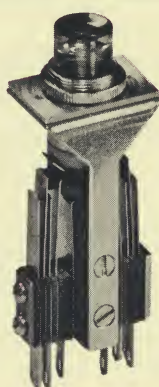
### Model HPA



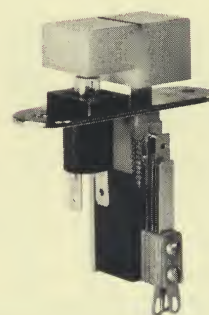
**Model HPA-S**



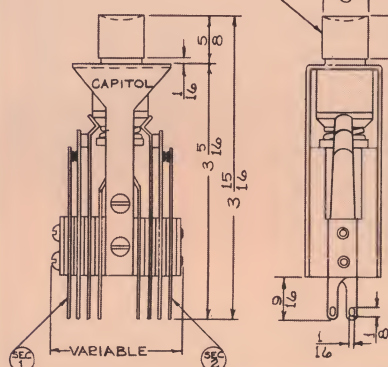
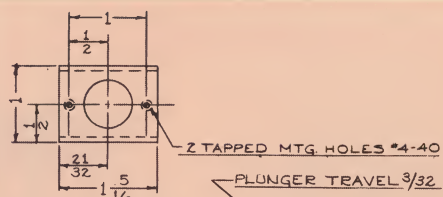
Model HPB



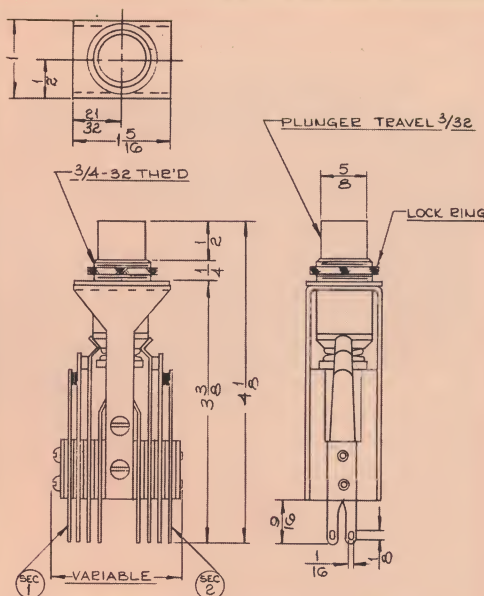
### Model HPB-S



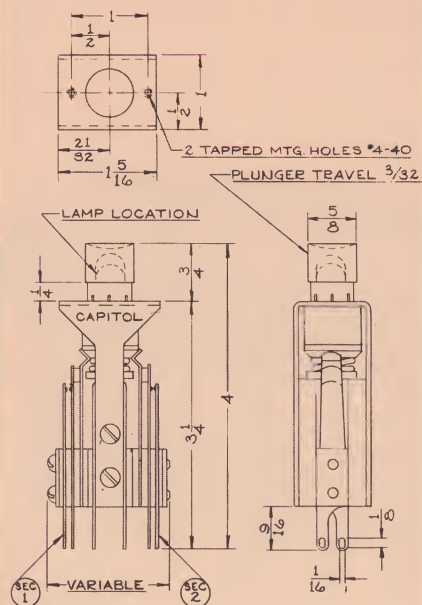
**Model PSB-1C** unique momentary push-button illuminated switch. Takes T-2 short base lamp. Takes S-1C button.



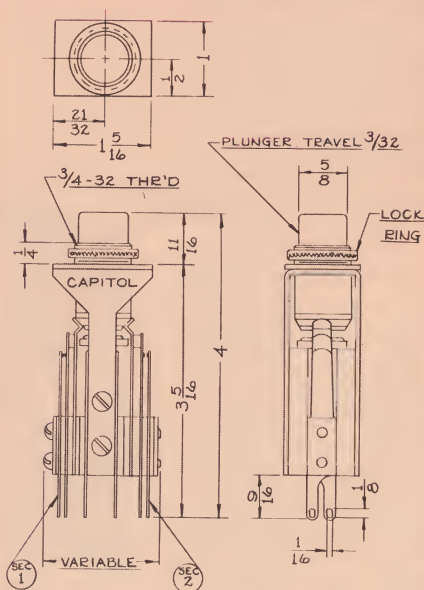
### Model HPA Assembly Drawing



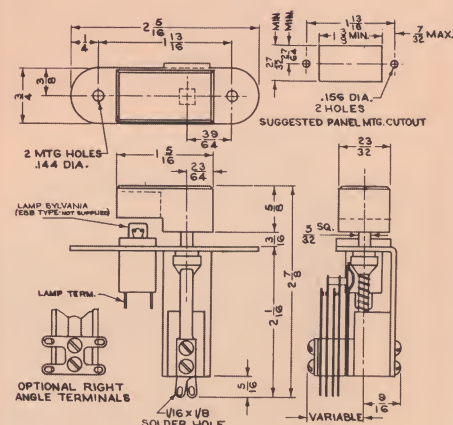
### Model HPA-S Assembly Drawing



### Model HPB Assembly Drawing



### Model HPB-S Assembly Drawing



### Model PSB-IC Assembly Drawing



### S - SERIES

CAPITOL model "S" series represents the largest selection of Illuminated and Non-Illuminated multiple position strip switches. They offer many variations in mechanical action and a wide range of contact combinations. The versatility of these switches will meet most any switching requirement.

THE NON-ILLUMINATED switch measures only 2-9/16" behind the panel. It features a nylon actuator molded on a 5/32" square metal plunger shaft. Because the shaft is metal rather than plastic it is extremely rugged.

The non-illuminated model "S" frame is the base for the illuminated switches. This switch is supplied with either \*round or \*square snap-on molded plastic buttons. The round (opaque) buttons are available in black, red, green, gray, white, tan, yellow or blue. The square (translucent acrylic) buttons are available in black, red, green, white, yellow, blue or orange. Either 19/32 or 23/32 square can be furnished (depending upon which model is ordered). Round black snap-on buttons are supplied with each switch unless another color or square buttons are specified.

\*switches on 1/2" button centers (200 series) are supplied with a set screw type button either 3/8" diameter or 3/8" square. These buttons are made of aluminum and can be anodized black, red, green, blue, gold, or natural.

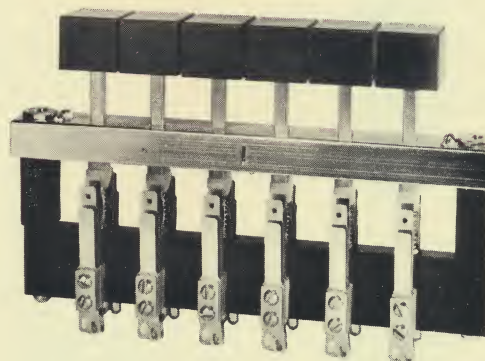
Illuminated switches are ideal for applications requiring positive knowledge of a position in operation. They will eliminate (in many cases) the need for independent pilot lights.

THE ILLUMINATED switches feature several methods of illumination. For ease of identification, these methods are identified as follows:

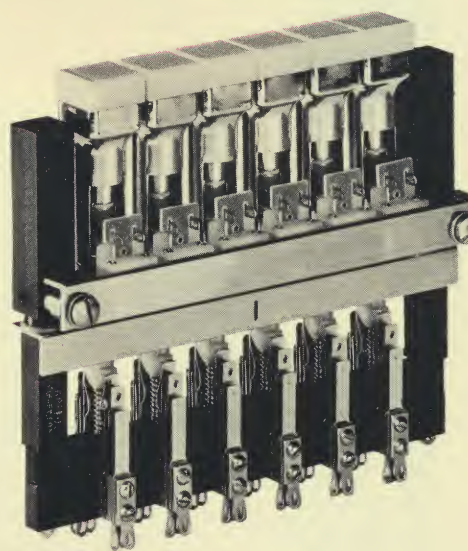
- "IA"—standard button 9/16" diameter. Accommodates T-1-3/4 lamp. (We supply with each switch a "bayonet lock type adapter" to secure the lamp in the socket. Can be used with 100, 300, 1100, 2200, 3300, 5500 series.
- "IB"—Standard button 31/64" diameter. Accommodates T-1-3/4 lamp. (We supply with each switch a "screw base adapter" for the lamp.) Can be used with 100, 300, 1100, 2200, 3300, 5500 series.
- "IC"—Standard button is 23/32" x 1-5/16" or 19/32" x 1-5/16" (depending on model specified). Accommodates a T-2 short base indicator lamp (7/8") Sylvania ESB long life series. Can be used with 100 or 300 Series. Also 1100, 2200, 3300, 5500 series.
- "ID"—Standard button is 19/32" or 23/32" square (depending on model specified.) Accommodates T-1-3/4 lamp. (We supply with each switch a bayonet lock type adapter to secure the lamp). Can be used on 100, 300, 1100, 2200, 3300, 5500 series.

Each position has an independent lamp assembly illuminated either by an external circuit or directly from the switch, depending on how wired. For this reason we do not wire the lamp terminals. These switches are constructed so that the lamp does not travel when a position is engaged, thus eliminating excessive shock of the lamp. All lamps are easily removed from the top without having to take the assembly apart. If the lamp is to be energized when a position is engaged, an extra set of contacts is usually required for wiring from the lamp terminals to the contact terminals.

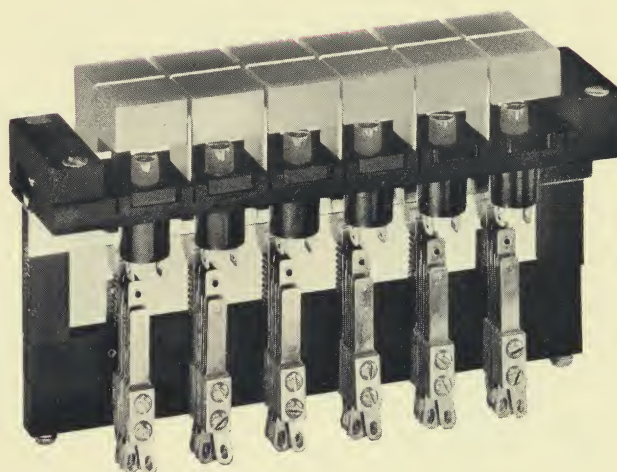
These switches are supplied with either round, square or rectangle buttons (depending upon the model selected). The buttons are made of molded acrylic plastic. Colors available are translucent white, red, green, yellow, blue, or orange. Transparent colors are clear, red, green, yellow, blue or amber. Unless specified we will supply white translucent.



Model S square button



Model S-ID



Model S-IC



# SWITCHES, ILLUMINATED & NON-ILLUMINATED

## MECHANICAL ACTIONS

### Basic model

### Action

**Model S** **Interlocking**, actuation of any position locks in and releases any previously engaged. Simultaneous actuation of two or more positions will lock in and release any previously engaged.

**Model SA** **Accumulative lock-up**, actuation of one or more positions remain engaged until all positions are restored to normal upon actuation of release position. Release position (normally #1 position) has momentary action (does not lock down). This mechanical action is ideal for applications requiring a succession of circuits to be in operation at the same time.

**Model SN** **Momentary (non locking)**, actuation of position engages circuit, restores to normal upon release of plunger.

**Model SPN** **Momentary (non-locking)** but with lock-out feature. (No two positions can be energized at the same time).

**Model SP** **Positive lock-out**, mechanical linking of all positions in the assembly make it impossible to actuate more than one position at a time (no two operate). Selection of any single position releases any previously actuated position. This special feature enables the designer to eliminate the need of accessory interlock protection.

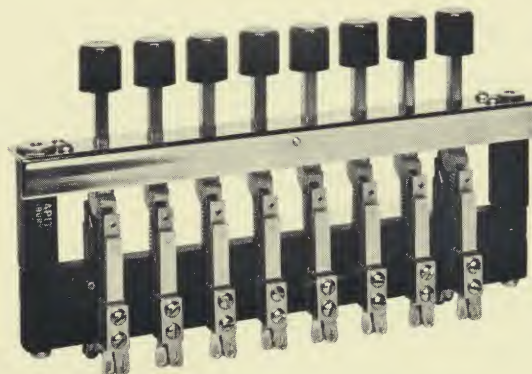
This switch can be supplied with COMPLETE MECHANICAL LOCK-OUT. Selected position must be released through release position only. The release position may be momentary or lock-in.

### SERIES:

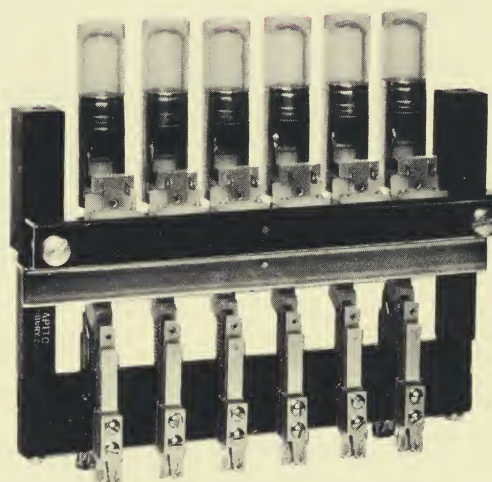
100	indicates	button	centers	on	5/8"
200	"	"	"	"	1/2" (not available as Illuminated Switch)
300	"	"	"	"	3/4"
500	"	"	"	"	9/16" (only takes IB type of Illumination)
1100	"	"	"	"	1-1/4"
2200	"	"	"	"	1"
3300	"	"	"	"	1-1/2"
5500	"	"	"	"	1-1/8"

Combinations of mechanical features described on these switches can be furnished on any one switch for special applications. These switches can also be banked with mechanical interlock between rows or with mechanical interlock and positive lockout between all positions in the bank. Minimum row centers (with 1 form A or B per position is 3/4" on Non-Illuminated Switch only). Solenoid release can be furnished for remote control of any of these switches (either single strips or banks).

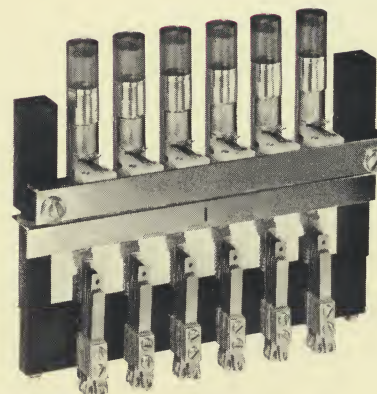
Contact assemblies may be mounted on either or both sides of the stack assembly bar for maximum flexibility of electrical control. Standard contact assemblies have underlapping action—a released position will return to normal before contacts of a newly operated position are actuated. Overlapping action is available on request—a released position will return to normal after energizing the contacts of a newly selected position. Momentary contacts that operate in the over-travel only are also available on request—when plunger is released to normal lock-in position the regular contact assemblies remain energized.



Model S



Model S-IA

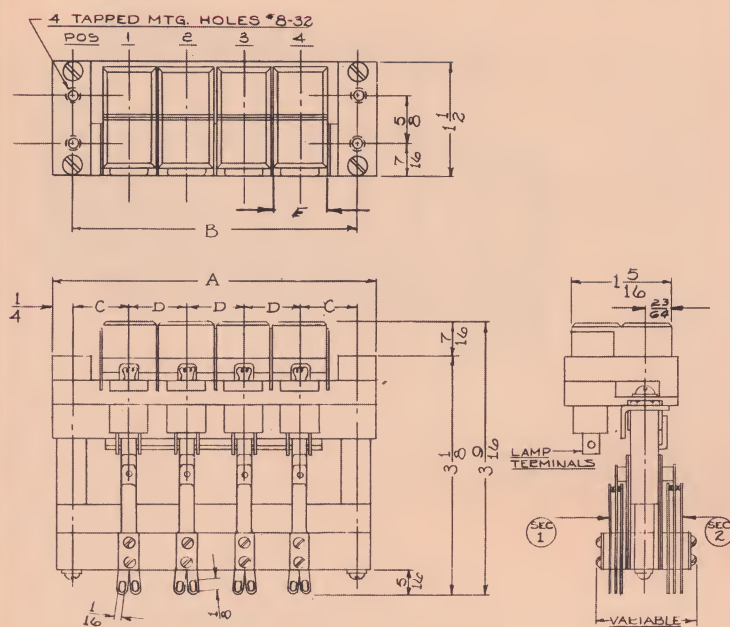


Model S-IB

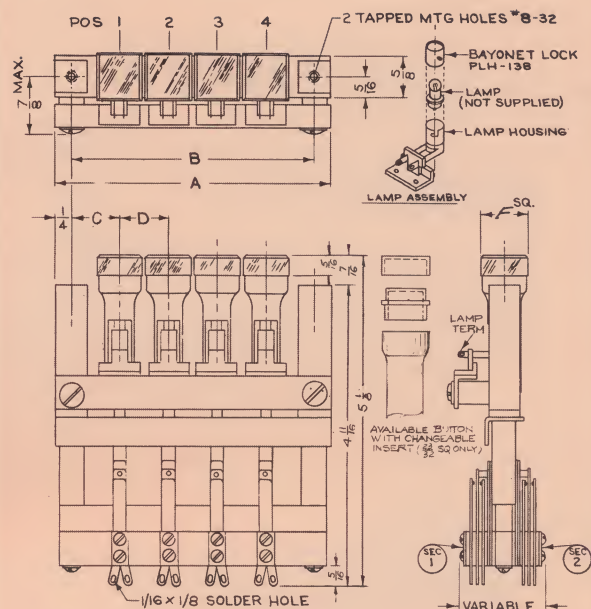
(continued on next page)



## MULTIPLE POSITION, PUSH BUTTON STRIP



### Model S-IC Assembly Drawing



### Model S-ID-100 & 300 Assembly Drawing

## PLUNGER TRAVEL FOR ALL "S" SERIES

Model	Full Travel	Lock In
S	5/16	1/4
SA	5/16	1/4
SN	5/16	—
SP	9/32	1/4
SPN	9/32	—

[illegible]

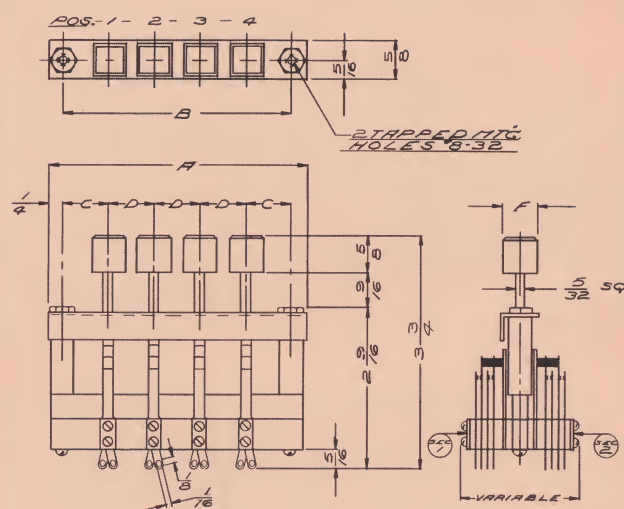
†Banked Assm. w/interlock between Rows "C". Dim. is .750. Add 1/4" to "A" & "B" Dim.

\*†Illuminated Switch "C" Dim. is .750. Add 1/4" to "A" & "B" Dim.

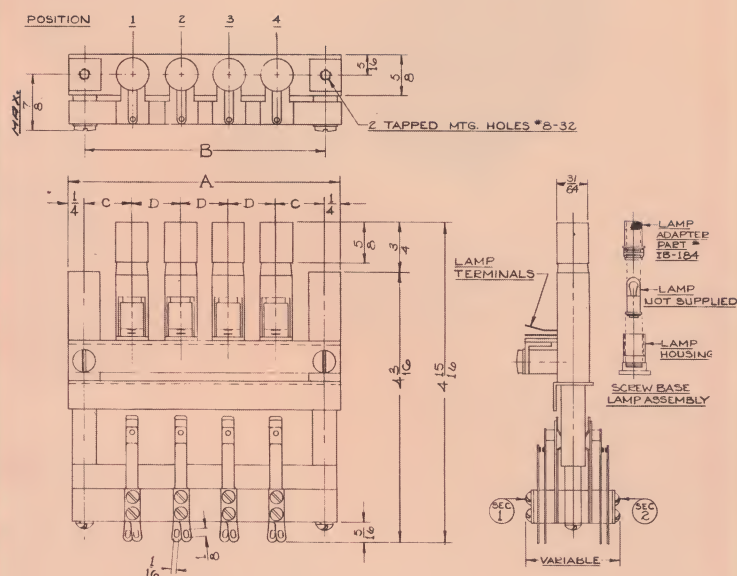
Switches with more positions than tabulated available on request.



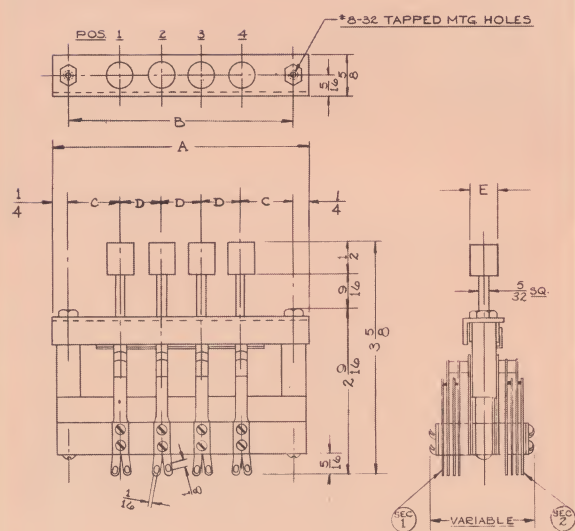
## SWITCHES, ILLUMINATED & NON-ILLUMINATED



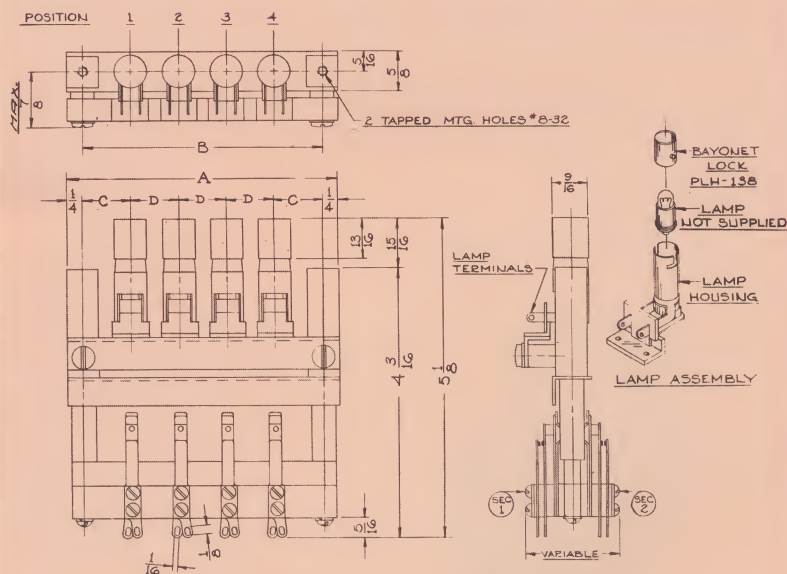
### Model S square button assembly drawing



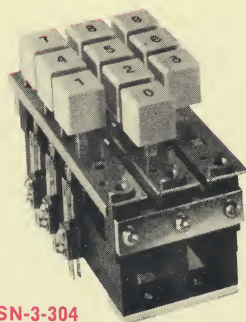
### Model S-IB Assembly Drawing



### Model S Assembly Drawing



### Model S-IA Assembly Drawing



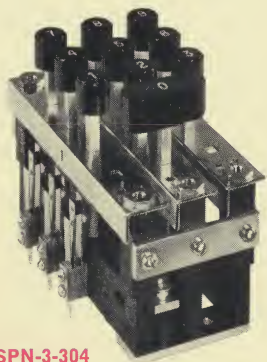
Model SSN-3-304

The Capitol model SSN-3-304 is a special designed assembly offering minimum depth ( $2\frac{1}{16}$ " ) and minimum operating pressure.

The model SSN-3-304 (as shown) consists of 10 momentary positions with a 1 form A (normally open) contact on each of the 10 positions. It has a maximum operating pressure of 6 oz. with 1 form A). The switch can be supplied with either square (as shown) ( $19/32$ " or  $23/32$ " square) or round ( $31/64$ " dia.) Buttons are plastic, snap on type. Black buttons are supplied unless another color is requested. Other colors available are red, green, blue, yellow, orange or white. Due to their relatively flat surface they are easily engraved. The keyboard is available with additional sets and types of contact assemblies on a position. Additional contacts will affect the operating pressure and the center distance between rows.

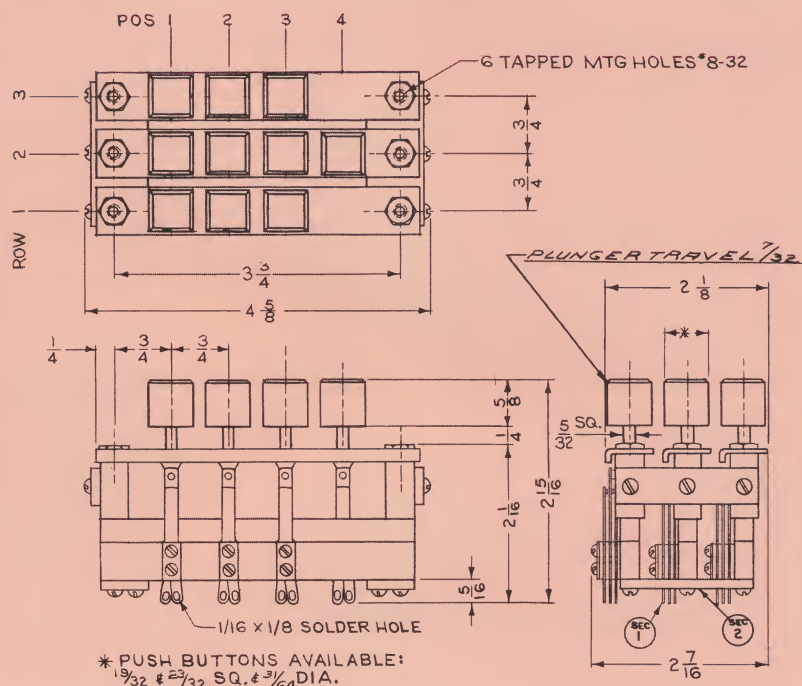
The Capitol model SPN-3-304 consists of 10 momentary positions but with "positive lockout" between positions and rows. This feature prevents more than 1 position from operating at the same time (no-two operate).

The switch as shown can be supplied with  $3/4$ " row centers if only 1 form A contact is required per position. The depth is slightly greater than the model SSN-3-304 due to the lockout feature. Same buttons as on model SSN-3-304 available.

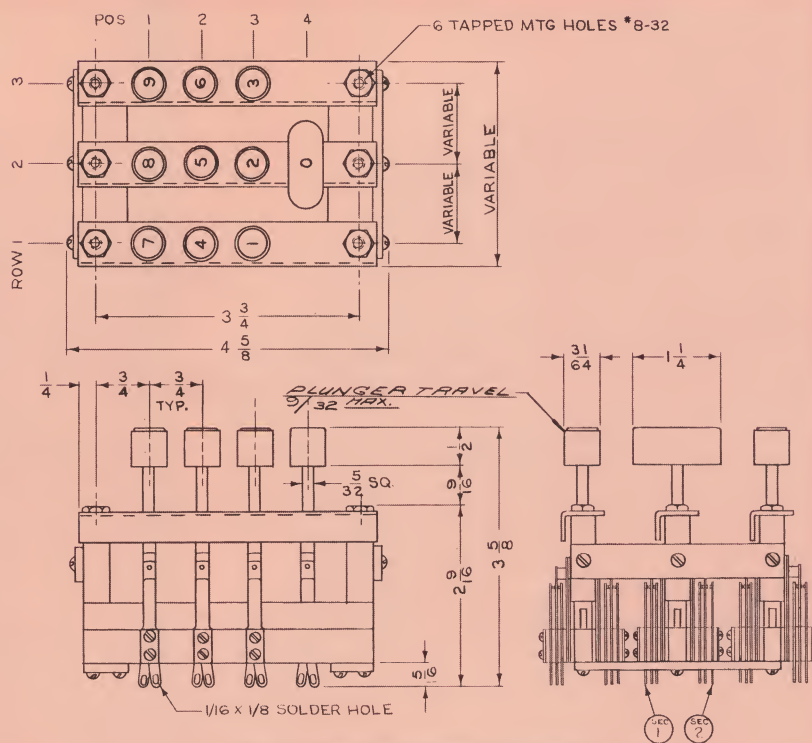


Model SPN-3-304

### 10 BUTTON KEYBOARD ASSEMBLY



Model SSN-3-304 Assembly Drawing



Model SPN-3-304 Assembly Drawing



## E - SERIES

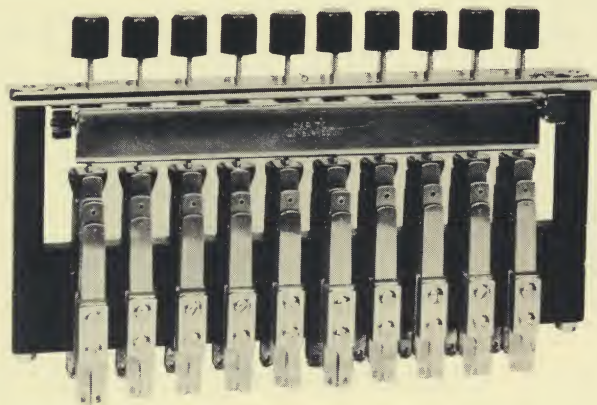


## D - SERIES

The Capitol Model "D" series has all of the same mechanical and electrical specifications as the Model "S" series, (see page 7), except that it has a rectangular plunger shaft with phenolic actuator and requires more space behind the panel due to its **heavier construction**. Although not shown it can be supplied with "IB", "IC" or "ID" illumination (see page 7).

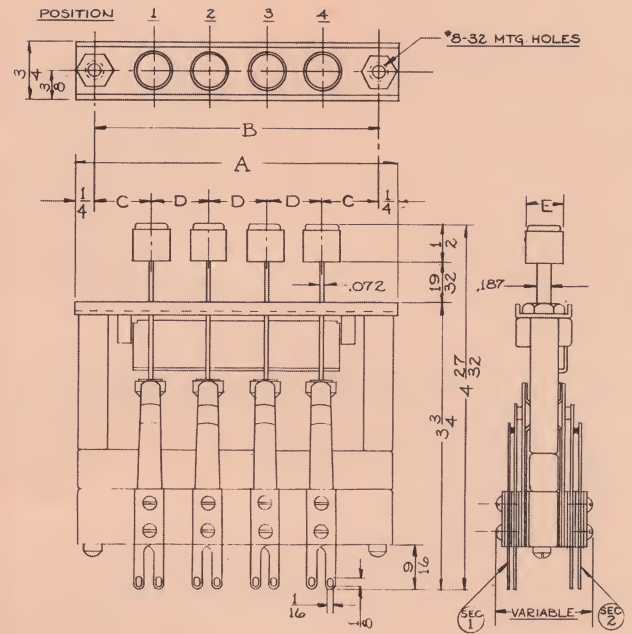
Basic Non-Illuminated switch includes standard snap-on plastic buttons, available in black, red, green, white, beach sand (tan). Unless otherwise specified black will be supplied with switch. Special set screw type buttons are available. Buttons can be engraved for identification purposes.

The Capitol Model "D" series are **best** adapted to meet the many specific applications and modification requirements of designers special needs — banking, solenoid release, etc.



Model D

## PUSH BUTTON STRIP SWITCHES



Model D Assembly Drawing

MODEL "D" SERIES			NUMBER OF POSITIONS																		ILLUM.	
			2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		20
100 SERIES	C= .750 D= .625 E= .484	A	2.625	3.250	3.875	4.500	5.125	5.750	6.375	7.000	7.625	8.250	8.875	9.500	10.125	10.750	11.375					IA, IB
		B	2.125	2.750	3.375	4.000	4.625	5.250	5.875	6.500	7.125	7.750	8.375	9.000	9.625	10.250	10.875					IC, ID
200 SERIES	†C= .625 D= .500 E= .375	A	2.250	2.750	3.250	3.750	4.250	4.750	5.250	5.750	6.250	6.750	7.250	7.750	8.250	8.750	9.250	9.750	10.250	10.750	11.250	NOT
		B	1.750	2.250	2.750	3.250	3.750	4.250	4.750	5.250	5.750	6.250	6.750	7.250	7.750	8.250	8.750	9.250	9.750	10.250	10.750	ILLUM.
300 SERIES	C= .750 D= .750 E= .484	A	2.750	3.500	4.250	5.000	5.750	6.500	7.250	8.000	8.750	9.500	10.250	11.000	11.750	12.500						IA, IB
		B	2.250	3.000	3.750	4.500	5.250	6.000	6.750	7.500	8.250	9.000	9.750	10.500	11.250	12.000						IC, ID
400 SERIES	C= .750 D= .875 E= .484	A	2.875	3.750	4.625	5.500	6.375	7.250	8.125	9.000	9.875	10.750	11.625	12.500	13.375	14.250						IA, IB
		B	2.375	3.250	4.125	5.000	5.875	6.750	7.625	8.500	9.375	10.250	11.125	12.000	12.875	13.750						IC, ID
1100 SERIES	C= .750 D=1.250 E= .484	A	3.250	4.500	5.750	7.000	8.250	9.500	10.750													IA, IB
		B	2.750	4.000	5.250	6.500	7.750	9.000	10.250													IC, ID
2200 SERIES	*†C= .625 D=1.000 E= .484	A	2.750	3.750	4.750	5.750	6.750	7.750	8.750	9.750	10.750											IA, IB
		B	2.250	3.250	4.250	5.250	6.250	7.250	8.250	9.250	10.250											IC, ID
3300 SERIES	C= .750 D=1.500 E= .484	A	3.500	5.000	6.500	8.000	9,500	11.000	12.500													IA, IB
		B	3.000	4.500	6.000	7.500	9.000	10.500	12.000													IC, ID
4400 SERIES	C= .750 D=1.750 E= .484	A	3.750	5.500	7.250	9.000	10.750	12.500	14.250													IA, IB
		B	3.250	5.000	6.750	8.500	10.250	12.000	13.750													IC, ID

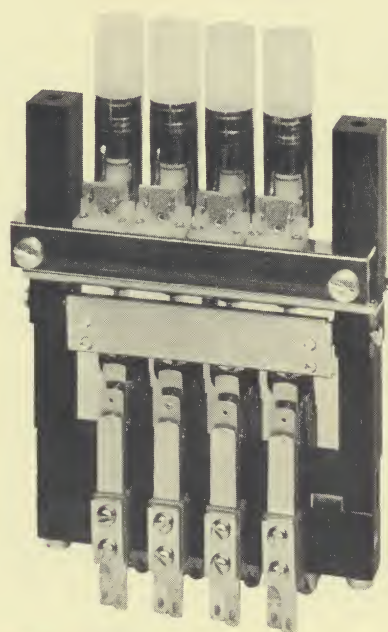
†Banked Assm. w/interlock between Rows "C". Dim. is .750. Add 1/4" to "A" & "B" Dim.

\*†Illuminated Switch "C" Dim. is .750. Add 1/4" to "A" & "B" Dim.

Switches with more positions than tabulated available on request.



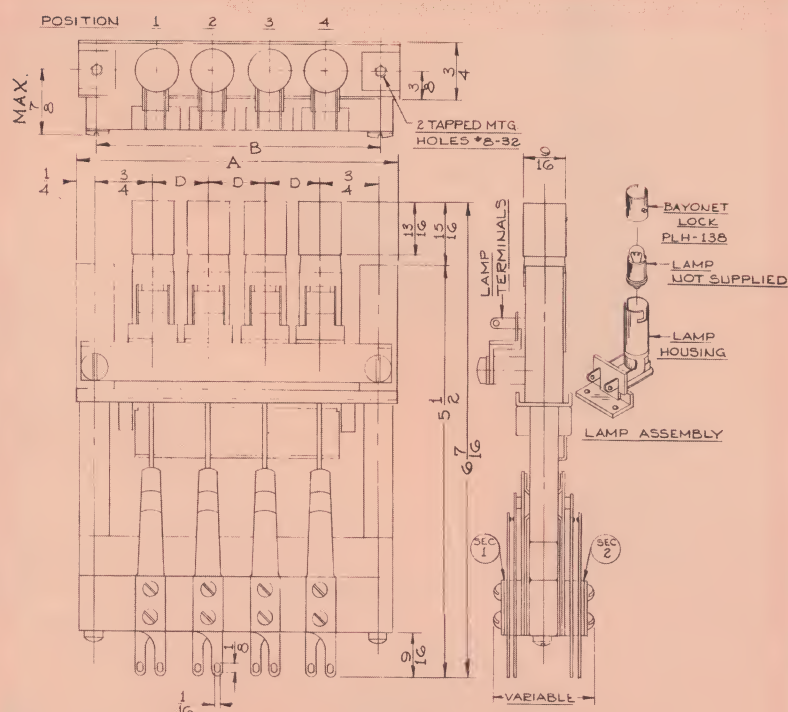
# ILLUMINATED & NON-ILLUMINATED



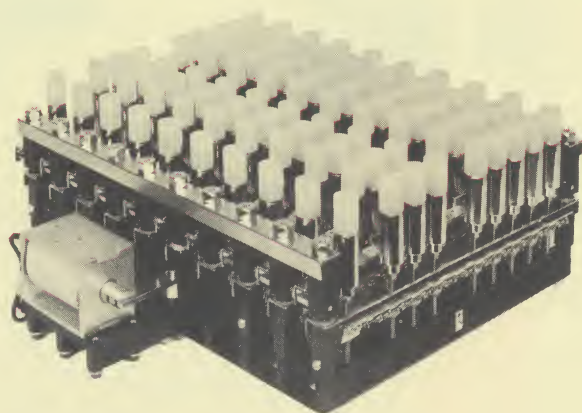
**Model D-IA**

Accommodates T-13 $\frac{1}{4}$  Lamp (327 type.) Bayonet lock type adaptors for lamps supplied by Capitol.

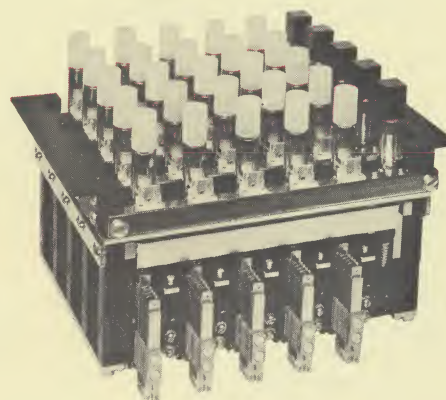
Standard buttons are white translucent. Various transparent and translucent colors are available.



**Model D-IA Assembly Drawing**



illuminated, accumulative banked assembly with solenoid release.



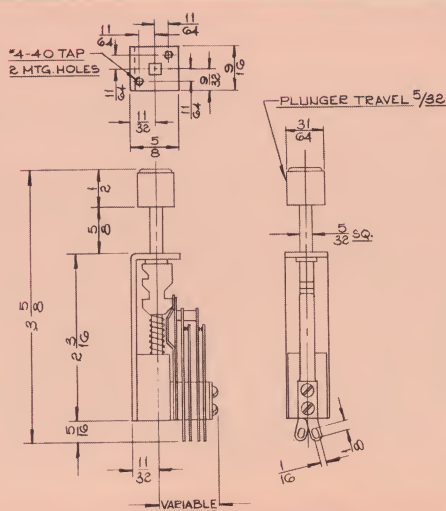
Matrix switch banked assembly w/lockout horizontal and vertical. Square button to right is release for each row. Maximum of 5 buttons can be engaged in entire assembly at one time.

Two of the many Special banking arrangements in which the "D" series was most suitable because of its heavier construction and size.

### PL - SERIES

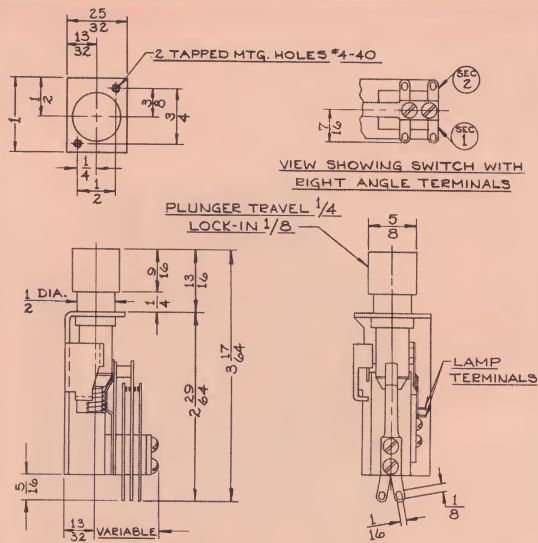


**Model PSA**  
**NON-ILLUMINATED**  
Same button as used  
on "S" Series  
non-illuminated.





# SWITCHES, ILLUMINATED & NON-ILLUMINATED



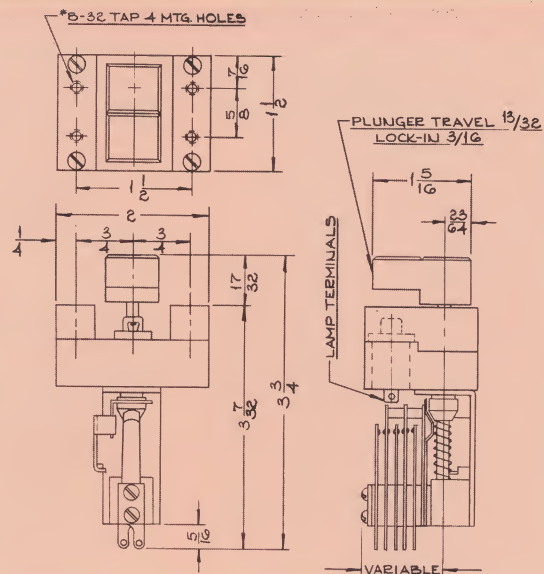
Model PLH Assembly Drawing



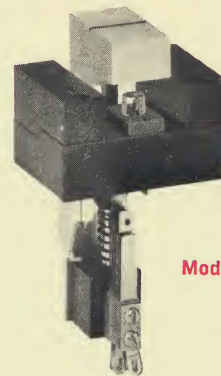
Model PLH



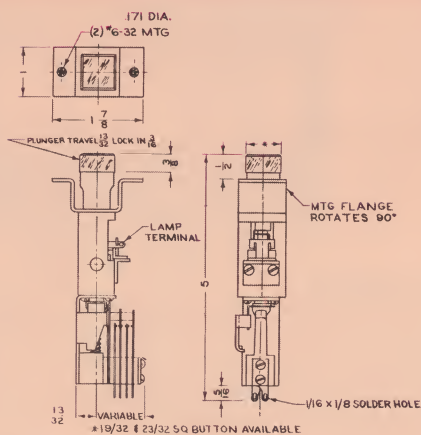
Model PLS-IB



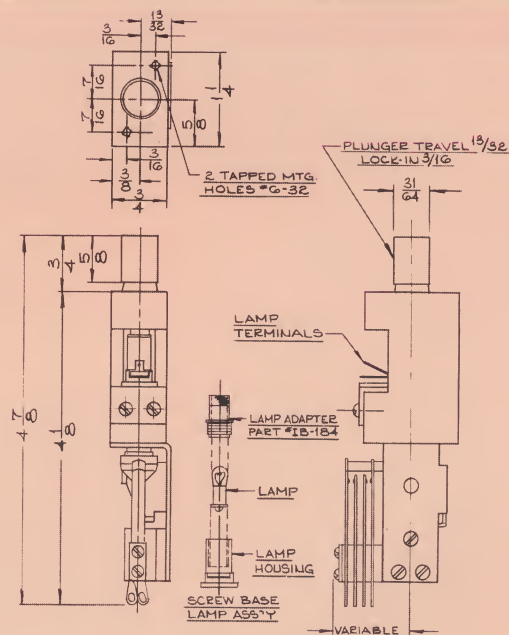
Model PLS-IC Assembly Drawing



Model PLS-IC

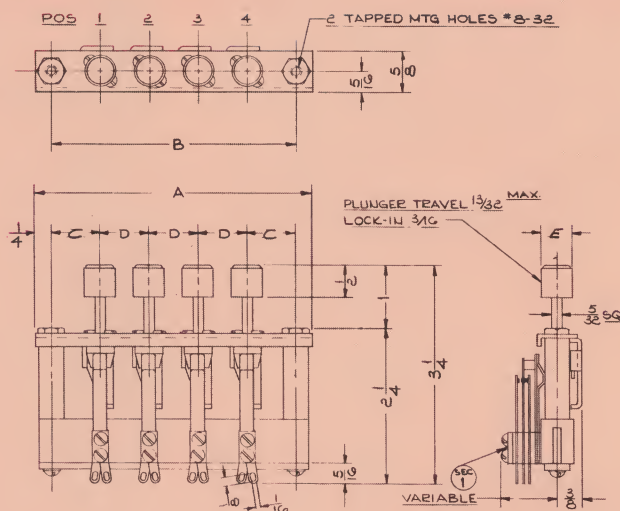


Model PLS-ID Assembly Drawing (not pictured)

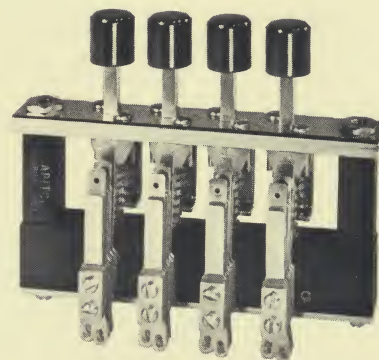


Model PLS-IB Assembly Drawing

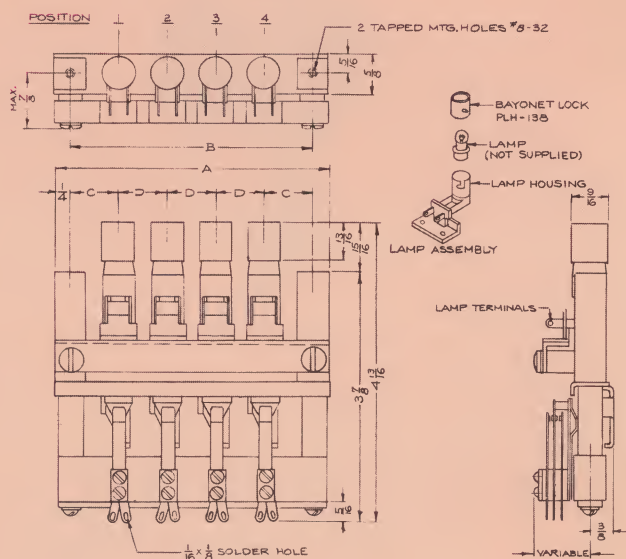
(continued on next page)



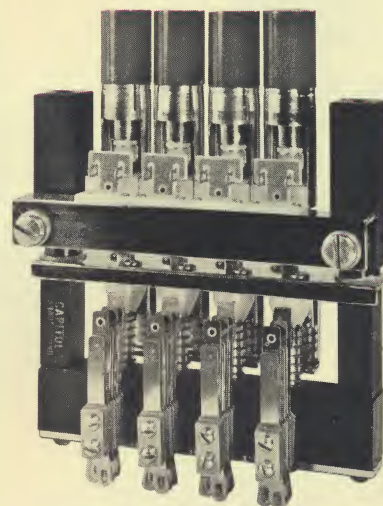
Model PLSA — 100 & 300 Series Assembly Drawing



Model PLSA — 100 & 300 Series



Model PLSA-IA — 100 & 300 Series Assembly Drawing



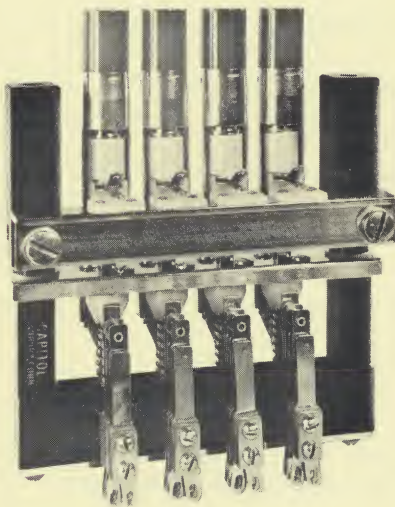
Model PLSA-IA — 100 & 300 Series

MODEL "PLSA" SERIES			NUMBER OF POSITIONS														ILLUM.	
			2	3	4	5	6	7	8	9	10	11	12	13	14	15		16
100 SERIES	C = .750 D = .625 E = .484 F = .593	A	2.625	3.250	3.875	4.500	5.125	5.750	6.375	7.000	7.625	8.250	8.875	9.500	10.125	10.750	11.375	IA, IB,
		B	2.125	2.750	3.375	4.000	4.625	5.250	5.875	6.500	7.125	7.750	8.375	9.000	9.625	10.250	10.875	IC, ID
300 SERIES	C = .750 D = .750 E = .484 F = .718	A	2.750	3.500	4.250	5.000	5.750	6.500	7.250	8.000	8.750	9.500	10.250	11.000	11.750	12.500		IA, IB,
		B	2.250	3.000	3.750	4.500	5.250	6.000	6.750	7.500	8.250	9.000	9.750	10.500	11.250	12.000		IC, ID

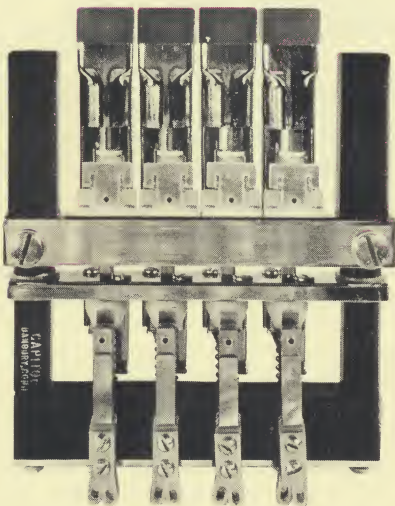
Switches with more positions than tabulated available on request.



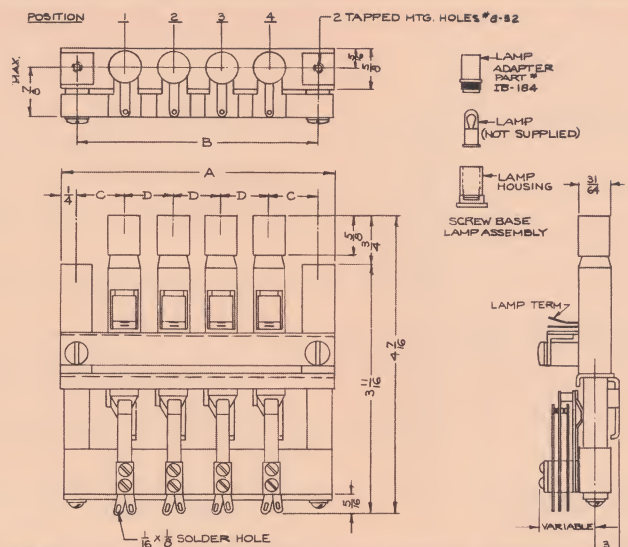
## SWITCHES, ILLUMINATED & NON-ILLUMINATED



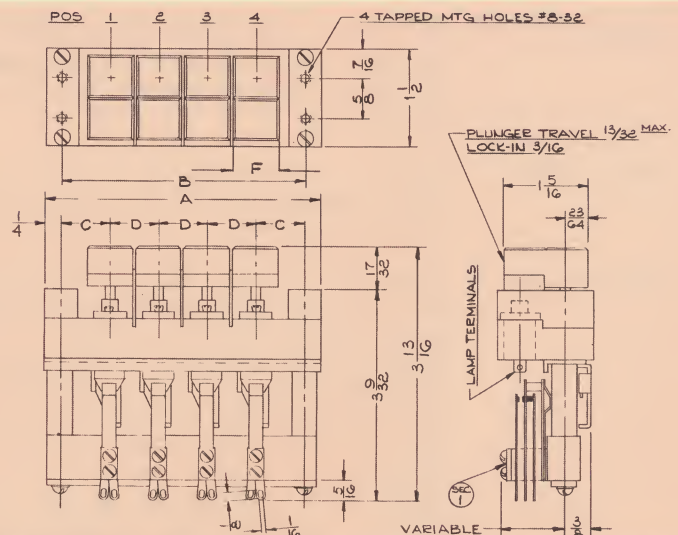
## Model PLSA-IB — 100 & 300 Series



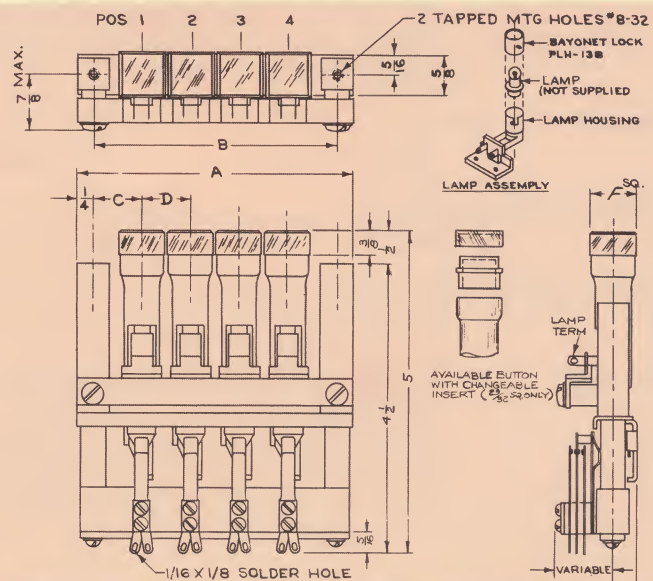
## Model PLSA-ID — 100 & 300 Series



## Model PLSA-IB — 100 & 300 Series Assembly Drawing



**Model PLSA-IC — 100 & 300 Series Assembly Drawing (not pictured)**



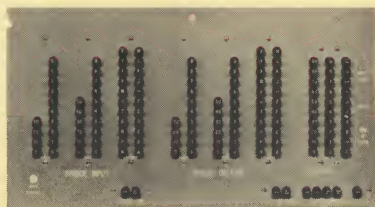
Model PLSA-ID — 100 &amp; 300 Series Assembly Drawing

## ORDERING INFORMATION

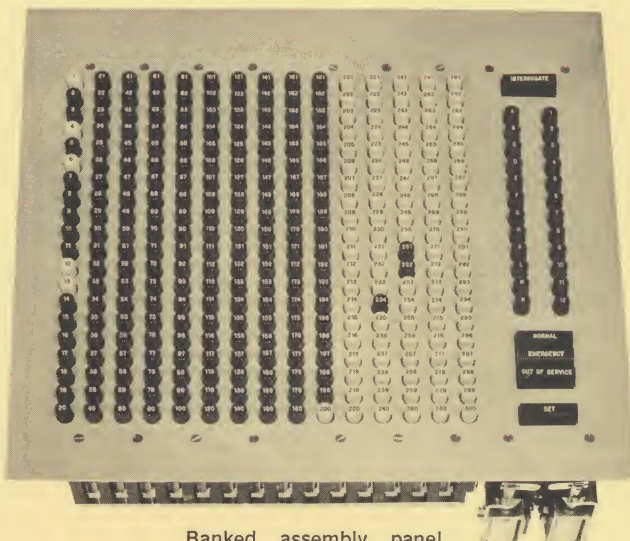
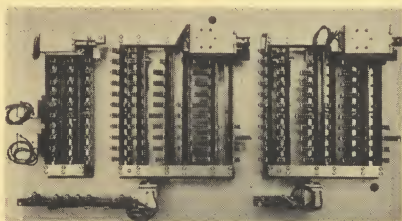
- Model HLL** Specify the lever action desired in each position. ie: position 1 lock, position 2 non lock.  
Specify contacts required on each section. ie: 1A section 1, 3A section 2, 1A1C section 3, 2C section 4.  
Specify the color filter required for positions 1 and 2. ie: Position 1 red, position 2 green.  
Specify the voltage of the lamp (if you wish us to supply).
- Models HL, HLB, HLS, HLB-S, HLR**  
Specify the lever action desired in each position. ie: position 1 non-lock, position 2 lock.  
Specify contacts required on each section. ie: 2A section 1, 3A section 2, 1C section 3, 1A1B section 4.
- Model HLBN-D** Same as above except lever action of each lever must be specified.
- Model HLBN** Same as models HL, HLB, etc., except there are only 2 contact sections.
- Models HP, HPS, HPC, HPC-S, HPA, HPA-S, HPB, HPB-S**  
Specify contacts required on each section. ie: 1A section 1, 2B section 2. If any special features are desired such as engraving, colored buttons, etc., they must be specified.
- Model PSB-IC** Specify contacts required.  
If any special features are desired such as engraving, colored buttons, etc., they must be specified.
- Model S series** Specify the correct model number to give you the mechanical action you require and the button centers, the number of positions required, and whether illumination is required. ie: model SP-ID-306.  
Specify contacts required on each position and each section. (Depending upon the number of contact forms required for each position, we put them on section 1 side unless the total required is such that it is more feasible to split them up and put them on sections 1 and 2). ie: 2A each position section 1, 3B each position section 2.  
If any special features are desired such as engraving, colored buttons, etc., they must be specified. When ordering engraved buttons specify whether engravings will be read from a horizontal or vertical mounted position of the switch (when the "IC" type of illuminations is used we suggest you furnish a sketch showing exactly the way the buttons are to be engraved as the lighted portion of the buttons is over the lamp).
- Model D & E series**  
Same as above.
- Model PLS-100 or 300 series**  
Same as above.
- Models PLS-IC, PLS-ID, PLS-IA, PLS-IB, PLH**  
Specify contacts required.
- General:** Contacts: All switches will be supplied standard 3 amp. palladium contacts unless you specify otherwise. If more than 1 contact form is required on a position or section the one specified first will go on the bottom next to the frame. ie: 1A1B, the A will go next to the frame and the B on top of the A.  
Solenoids: If required specify voltage, AC or DC, intermittent or continuous duty.



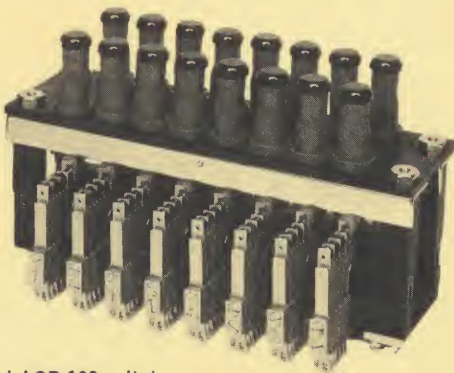
## Capitol designs special switches for specific applications



Panel assembly consisting of 5 groups of switches with solenoid release.



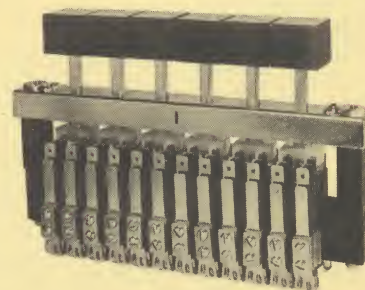
Banked assembly panel with solenoid release.



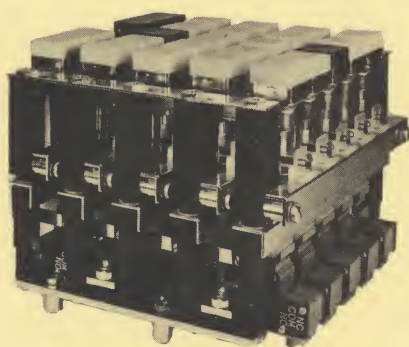
Two model SP-108 switches banked with positive lock-out on all positions and special boot seals for plungers.



Banked assembly showing drip-proof button seals.

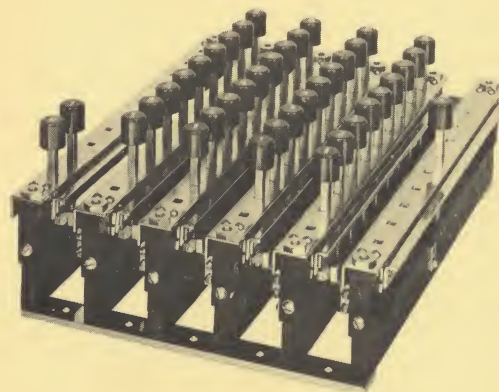


Model S Series showing double stacking of contact assemblies on a position. Used where width space is limited.



Banked assembly with complete mechanical lock-out between all positions. Special buttons. Encased snap action contact assemblies.

Banked assembly with special interlock so that releasing (other than momentary release position) will only be to the rows to the right of the one being actuated. Has one momentary position for release of all positions.



# CAPITOL

## CIRCUIT SELECTOR SWITCHES

THE CAPITOL MACHINE AND SWITCH CO.

87 Newtown Road, Danbury, Conn. 06810

Area Code 203  
744-3300